

Product datasheet for **RC228154**

TMEM121B (NM_001163079) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM121B (NM_001163079) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TMEM121B
Synonyms: CECR6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC228154 representing NM_001163079
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTGTGGTGGCCCTGCTCTACAGCTTGGTGCGGGCCATCAGCGAGGCGGGCGGCCCGGGAT
 CGGCAGGACCCCTGCTGCTGCAGCCCCAGCGGCACCGCGCGCCGGATGCTTCTGGGCACGTGCTTGA
 CCTGCTCGACAGCTTACGCTGGTGGAGCTGATGCTGGAGGGCCGCGTCCGCTGCCCGCACCTGCGC
 TACCTGCTTATCGCCGTCTACTTCTCACCTCGCTCGCCGGTCTCTGGCTCTACGAGCTCAACGCC
 CGGCCGACGGCTGCATCCTGGGGCCAGGCCTCCGGCCTGGCAGCTGCAGCCGCTTCTGCGCCTGCT
 GGGCGGCTGCCTGGTGGACGTGCCCTTGTGGCGCTGCGCTGCCTCCTGGTGGTCACTACCAGCAGCCC
 CTCTCCATCTTCAATGCTCAAGAACCTCTTCTTCTCGGCTGCCGGGGCCTGGAGGCCCTGGAGGGTGT
 GGGACCGGGCAATCGGGCCTCCCCGAGTCGGGCCAGAGGGGGCTACGGTGTCCGCCCTCCGCCCTCC
 ACCACCTCCGCCACCACCTCAGGGAGGCTCCAGCTGGGCCACTGCATCTCGGAGAACGAGGGGGTGT
 CATGGCTATGTCAACACCCTGGCTGTGGCCTCTCAGAAT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC228154 representing NM_001163079
 Red=Cloning site Green=Tags(s)

MALSVPLLYSLVRAISEAGAPPGSAGPLLLQPQRHRAAGCFLGTCLDLLDSFTLVLMLEGRVPLPAHLR
 YLLIAVYFLTLASPVLWLYELNAAAAAASWGQASGPGSCSRLLRLLGGCLVDVPLLALRCLLVVSYQP
 LSIFMLKNLFFLGCRGLEALEGCWDRGNRASPSRARGGYGAPPSAPPPPPPPQGGSQLGHCISENEGGA
 HGYVNTLAVASQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001163079

ORF Size: 669 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001163079.2](#)

RefSeq ORF: 672 bp

Locus ID: 27439

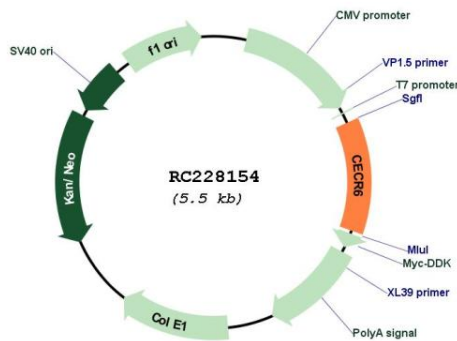
UniProt ID: [Q9BXQ6](#)

Cytogenetics: 22q11.1

Protein Families: Transmembrane

MW: 23.2 kDa

Product images:



Circular map for RC228154